## **Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the present application.

## **Listing of Claims:**

Claim 1 (previously presented): A wafer holder for semiconductor manufacturing equipment, the wafer holder having a surface for carrying wafers and comprising a layer of electrical circuitry composed of one or more sinter laminae, formed either on the face or in the interior of the wafer holder, said circuit layer having porosity in that pores are present therein, said porosity being in the range from 0.1% to 40%.

Claim 2 (previously presented): A wafer holder as set forth in claim 1, wherein said circuit layer is as its main constituent one or more metals selected from tungsten, molybdenum and tantalum.

Claim 3 (original): A wafer holder as set forth in claim 1, wherein:

said circuit layer is as its main constituent one or more metals selected from silver, vanadium and platinum; and

said porosity is 2% or more.

Claim 4 (original): A wafer holder as set forth in claim 2, wherein said electrical circuitry any of an electrode circuit for an electrostatic chuck, a resistiveheating-element circuit, an RF-power electrode circuit, and a high-voltage-generating electrode circuit.

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Claim 5 (original): A wafer holder as set forth in claim 3, wherein said electrical circuitry any of an electrode circuit for an electrostatic chuck, a resistive-heating-element circuit, an RF-power electrode circuit, and a high-voltage-generating electrode circuit.

Claim 6 (original): Semiconductor manufacturing equipment wherein the wafer holder set forth in claim 1 is installed.

Claim 7 (original): Semiconductor manufacturing equipment wherein the wafer holder set forth in claim 2 is installed.

Claim 8 (original): Semiconductor manufacturing equipment wherein the wafer holder set forth in claim 3 is installed.

Claim 9 (original): Semiconductor manufacturing equipment wherein the wafer holder set forth in claim 4 is installed.

Claim 10 (original): Semiconductor manufacturing equipment wherein the wafer holder set forth in claim 5 is installed. In one exemplary embodiment, the composition and porosity of the sinter heating element have been predetermined so that the out of plane displacement between the center and periphery of the wafer-carrying surface is less than 100 µm when the wafer holder is heated to 700 degrees C.

Claim 11 (new): The wafer holder of claim 1, wherein the porosity is in the range from about 0.1 to about 5 percent.

Claim 12 (new): The wafer holder of claim 1, wherein:

the sinter laminae comprise as its main constituent one or more metals selected from tungsten, molybdenum, and tantalum; and

the porosity is in the range from about 0.1 to about 2 percent.

Claim 13 (new): The wafer holder of claim 1, wherein:

the sinter laminae comprise as its main constituent one or more metals selected from vanadium and platinum; and

the porosity is in the range from about 2 to about 5 percent.

Claim 14 (new): The wafer holder of claim 1, wherein the pores have an average diameter less than the thickness of the sinter laminae, the pores being distributed throughout the thickness of the sinter laminae.

Claim 15 (new): The wafer holder of claim 1, wherein said electrical circuitry comprises a heating circuit.

Claim 16 (new): The wafer holder of claim 1, wherein the sinter laminae comprise a mixture of at least one metal powder and at least one oxide powder.

Claim 17 (new): The wafer holder of claim 16, wherein:

the at least one metal powder comprises at least one member of the group consisting of tungsten, molybdenum, tantalum, vanadium, and platinum; and

the at least one oxide powder comprises at least one member of the group consisting of a group IIa oxide, a group IIIa oxide, aluminum oxide, and silicon oxide.

Claim 18 (new): A wafer holder for semiconductor manufacturing equipment, the wafer holder comprising:

a wafer-carrying surface; and

App. No. 10/604,514

Amendment dated September 6, 2006

Reply to Office action of June 6, 2006

an electrical heating circuit formed either on the wafer-carrying surface or in

the wafer holder, and including

a porous sinter layer made up of a mixture of at least one metal powder and

at least one oxide powder, the sinter layer therein having a porosity in the

range of from about 0.1 to about 40 volume percent of the sinter layer.

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